

SEQUENCE LISTING

<110> Turner, C. Alexander Jr.
Mathur, Daniel
Mathur, Brian

<120> Novel Human Ion Channel Proteins and Polynucleotides Encoding the Same

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Leu Leu Phe Leu Val	Met Phe Ile Tyr Ala	Ile Phe Gly Met Ser Asn
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Glu Thr Phe Gly Asn	Ser Met Ile Cys Leu	Phe Gln Ile Thr Thr Ser
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Ala Gly Trp Asp Gly	Leu Leu Ala Pro Ile	Leu Asn Ser Lys Pro Pro
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Asp Cys Asp Pro Asn	Lys Val Asn Pro Gly	Ser Ser Val Lys Gly Asp
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Cys Gly Asn Pro Ser	Val Gly Ile Phe Phe	Phe Val Ser Tyr Ile Ile
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Ile Ser Phe Leu Val	Val Val Asn Met Tyr	Ile Ala Val Ile Leu Glu
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Asp Phe Glu Met Phe	Tyr Glu Val Trp Glu	Lys Phe Asp Pro Asp Ala
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Thr Gln Phe Met Glu	Phe Glu Lys Leu Ser	Gln Phe Ala Ala Ala Leu
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Glu Pro Pro Leu Asn	Leu Pro Gln Pro Asn	Lys Leu Gln Leu Ile Ala
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Met Asp Leu Pro Met	Val Ser Gly Asp Arg	Ile His Cys Leu Asp Ile
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Leu Phe Ala Phe Thr	Lys Arg Val Leu Gly	Glu Ser Gly Glu Met Asp
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Ala Leu Arg Ile Gln	Met Glu Glu Arg Phe	Met Ala Ser Asn Pro Ser
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Lys Val Ser Tyr Gln	Pro Ile Thr Thr Thr	Leu Lys Arg Lys Gln Glu
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Glu Val Ser Ala Val	Ile Ile Gln Arg Ala	Tyr Arg Arg His Leu Leu
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		1920

Lys Arg Thr Val Lys Gln Ala Ser Phe Thr Tyr Asn Lys Asn Lys Ile
 1925 1930 1935
 Lys Gly Gly Ala Asn Leu Leu Ile Lys Glu Asp Met Ile Ile Asp Arg
 1940 1945 1950
 Ile Asn Glu Asn Ser Ile Thr Glu Lys Thr Asp Leu Thr Met Ser Thr
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[The page contains extremely faint, illegible text.]

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Ile	Gln	Ser	Val	Lys	Lys	Leu	Ser	Asp	Val	Met	Ile	Leu	Thr	Val	Phe

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Tyr	Trp	Leu	Lys	Val	Lys	His	Val	Val	Asn	Leu	Val	Val	Met	Asp	Pro
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Val Ser Leu Thr Ala Asn Ala Leu Gly Tyr Ser Glu Leu Gly Ala Ile		1295
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Pro Ser Ile Met Asn Val Leu Leu Val Cys Leu Ile Phe Trp Leu Ile		1340
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Phe Ser Ile Met Gly Val Asn Leu Phe Ala Gly Lys Phe Tyr His Cys		1360
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Ile Asn Thr Thr Thr Gly Asp Arg Phe Asp Ile Glu Asp Val Asn Asn		1375
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His Thr Asp Cys Leu Lys Leu Ile Glu Arg Asn Glu Thr Ala Arg Trp		1390
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Ala Val Asp Ser Arg Asn Val Glu Leu Gln Pro Lys Tyr Glu Glu Ser		1440
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Leu Tyr Met Tyr Leu Tyr Phe Val Ile Phe Ile Ile Phe Gly Ser Phe		1455
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	1490	1495
Lys Lys Tyr Tyr Asn Ala Met Lys Lys Leu Gly Ser Lys Lys Pro Gln		1500
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Thr Gly Glu Cys Val Leu Lys Leu Ile Ser Leu Arg His Tyr Tyr Phe		1580
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Thr Ile Gly Trp Asn Ile Phe Asp Phe Val Val Val Ile Leu Ser Ile		1600
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Arg Glu Val Gly Ile Asp Asp Met Phe Asn Phe Glu Thr Phe Gly Asn		1695
	1700	1705
Ser Met Ile Cys Leu Phe Gln Ile Thr Thr Ser Ala Gly Trp Asp Gly		1710
	1715	1720
Leu Leu Ala Pro Ile Leu Asn Ser Lys Pro Pro Asp Cys Asp Pro Asn		1725
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		1760

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 1795 1800 1805
 Tyr Glu Val Trp Glu Lys Phe Asp Pro Asp Ala Thr Gln Phe Met Glu
 1810 1815 1820
 Phe Glu Lys Leu Ser Gln Phe Ala Ala Ala Leu Glu Pro Pro Leu Asn
 1825 1830 1835 1840
 Leu Pro Gln Pro Asn Lys Leu Gln Leu Ile Ala Met Asp Leu Pro Met
 1845 1850 1855
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 Lys Arg Val Leu Gly Glu Ser Gly Glu Met Asp Ala Leu Arg Ile Gln
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 1890 1895 1900
 Pro Ile Thr Thr Thr Leu Lys Arg Lys Gln Glu Val Ser Ala Val
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 Ile Ile Gln Arg Ala Tyr Arg Arg His Leu Leu Lys Arg Thr Val Lys
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 Gln Ala Ser Phe Thr Tyr Asn Lys Asn Lys Ile Lys Gly Gly Ala Asn
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Ser	Trp	Ala	Phe	Leu	Ser	Leu	Phe	Arg	Leu	Met	Thr	Gln	Asp	Phe	Trp
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	755					760					765			Pro
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 Ser Arg Tyr His Tyr Phe Leu Glu Gly Phe Leu Asp Ala Leu Leu Cys
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Glu	Glu	Lys	Asp	Glu	Asp	Glu	Phe	Gln	Lys	Ser	Glu	Ser	Glu	Asp	Ser
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Tyr	Glu	Lys	Arg	Tyr	Ser	Ser	Pro	His	Gln	Ser	Leu	Leu	Ser	Ile	Arg
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